

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Katsunari Tezuka et al.                      Art Unit : 1623  
Serial No. : 10/729,880                                      Examiner :  
Filed : December 5, 2003  
Title : A PHARMACEUTICAL COMPOSITION FOR TREATING IMMUNE  
DISEASES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449.

Applicants also wish to bring to the Examiner's attention the following co-pending applications, each of which is assigned to the assignee of the present application:

U.S. Application No. 10/723,602, filed November 25, 2003;  
U.S. Application No. 10/721,404, filed November 25, 2003;  
U.S. Application No. 10/794,344, filed March 5, 2004;  
U.S. Application No. 10/798,195, filed March 11, 2004;  
U.S. Application No. 10/800,250, filed March 10, 2004;  
U.S. Application No. 10/472,743, filed March 4, 2004; and  
U.S. Application No. 10/793,171, filed March 4, 2004.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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Applicant : Katsunari Tezuka et ...  
Serial No. : 10/729,880  
Filed : December 5, 2003  
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Attorney's Docket 14539-005002 / JF-82US-C1

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney  
Docket No. 14539-005002.

Respectfully submitted,

Date: May 21, 2004

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>14539-005002</b>	Application No. <b>10/729,880</b>
	Applicant <b>Katsunari Tezuka et al.</b>		
	Filing Date <b>December 5, 2003</b>	Group Art Unit <b>1623</b>	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,484,892	01/16/1996	Tedder et al.			
	AB	5,747,461	05/05/1998	Markov			
	AC	5,914,112	06/22/1999	Bednar et al.			
	AD	6,531,505	03/11/2003	Xu et al.			
	AE	20020177191	11/28/2002	Kroczek			
	AF	20020182667	12/05/2002	Kroczek			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG	WO 95/33770	12/14/1995	WIPO				
	AH	WO 97/26912	07/31/1997	WIPO				
	AI	WO 98/19706	05/14/1998	WIPO				
	AJ	WO 98/37415	08/27/1998	WIPO				
	AK	WO 98/45331	10/15/1998	WIPO				
	AL	JP 5-72204	03/23/1993	Japan			Abstract	
	AM	JP 11-228442	08/24/1999	Japan			Abstract	
	AN	JP 2000-154151	06/06/2000	Japan			Abstract	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AO	Abbas, "T-cell stimulation: an abundance of B7s," NAT MED. 5(12):1345-6 (1999)
	AP	Bensimon et al., "Human lupus anti-DNA autoantibodies undergo essentially primary V kappa gene rearrangements," EMBO J. 13(13):2951-62 (1994)
	AQ	Campbell et al., "Separable effector T cell populations specialized for B cell help or tissue inflammation," NAT IMMUNOL. 2(9):876-81 (2001)
	AR	Chapoval et al., "B7-H3: a costimulatory molecule for T cell activation and IFN-gamma production," NAT IMMUNOL. 2(3):269-74 (2001)
	AS	Dong et al., "B7-H1, a third member of the B7 family, co-stimulates T-cell proliferation and interleukin-10 secretion," NAT. MED. 5(12):1365-9 (1999)
	AT	Eljaschewitsch et al., "Identification of a novel activation antigen on human CD4+ T cells," IMMUNOBIOLOGY. 194(1-3):27 (1995)
	AU	Goding, "Monoclonal Antibodies: Principles and Practice," 2 <sup>nd</sup> Edition, Academic Press, Orlando, Florida, Chapter 8, pages 281-293 (1986)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14539-005002	Application No. 10/729,880
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	AV	Goni et al., "Structural and idiotypic characterization of the L chains of human IgM autoantibodies with different specificities," J. Immunol. 142(9):3158-63 (1989)
	AW	Gonzalo et al., "ICOS is critical for T helper cell-mediated lung mucosal inflammatory responses," NAT IMMUNOL. 2(7):597-604 (2001)
	AX	Harlow and Lane, "Antibodies: A Laboratory Manual," Cold Spring Harbor Laboratory, page 285 (1988)
	AY	Hutloff et al., "Identification and initial characterization of a novel T cell-specific cell surface activation antigen," IMMUNOBIOLOGY, 197(2-4):172 (1997)
	AZ	Ihara et al., "Association studies of CTLA-4, CD28, and ICOS gene polymorphisms with type 1 diabetes in the Japanese population," IMMUNOGENETICS 53(6):447-54 (2001)
	AAA	Iiyama et al., "The role of inducible co-stimulator (ICOS)/B7-related protein-1 (B7RP-1) interaction in the functional development of Peyer's patches," IMMUNOLOGY LETTERS, In Press, Uncorrected Proof available online April 11, 2003, <a href="http://www.sciencedirect.com/science/journal/01652478">http://www.sciencedirect.com/science/journal/01652478</a>
	ABB	Lamhemedi-Cherradi et al., "Further mapping of the Idd5.1 locus for autoimmune diabetes in NOD mice," DIABETES 50(12):2874-8 (2001)
	ACC	Ling et al., "Assembly and annotation of human chromosome 2q33 sequence containing the CD28, CTLA4, and ICOS gene cluster: analysis by computational, comparative, and microarray approaches," GENOMICS 78(3):155-68 (2001)
	ADD	Ling et al., "Differential expression of inducible costimulator-ligand splice variants: lymphoid regulation of mouse GL50-B and human GL50 molecules," J IMMUNOL. 166(12):7300-8 (2001)
	AEE	Linsley, "T cell activation: you can't get good help," Nat Immunol. 2(2):139-40 (2001)
	AFF	Liu et al. "B7H costimulates clonal expansion of, and cognate destruction of tumor cells by, CD8(+) T lymphocytes in vivo," J EXP MED. 194(9):1339-48 (2001)
	AGG	Lucia et al., "Expression of the novel T cell activation molecule hpH4 in HIV-infected patients: Correlation with disease status", AIDS RESEARCH AND HUMAN RETROVIRUSES 16(6):549-557 (2000)
	AHH	Mackay et al., "Follicular homing T helper (Th) cells and the Th1/Th2 paradigm," J EXP MED. 192(11):F31-4 (2000)
	AII	Nurieva et al., "Inducible costimulator is essential for collagen-induced arthritis," J. CLIN. INVEST. 111(5):701-06 (2003)
	AJJ	Ogawa et al., "Opposing effects of anti-activation-inducible lymphocyte-immunomodulatory molecule/inducible costimulator antibody on the development of acute versus chronic graft-versus-host disease," J IMMUNOL. 167(10):5741-8 (2001)
	AKK	O'Neill, "Co-stimulating allergy," TRENDS IMMUNOL. 22(4):183 (2001)
	ALL	Pech et al., "A large section of the gene locus encoding human immunoglobulin variable regions of the kappa type is duplicated," J. Mol Biol. 183(3):291-9 (1985)
	AMM	Pound, "A new T-helper cell subset?" Trends Immunol. 22(4):182-3 (2001)
	ANN	Richter et al., "Tumor necrosis factor- $\alpha$ regulates the expression of inducible costimulator receptor ligand on CD34+ progenitor cells during differentiation into antigen presenting cells," J. OF BIOLOGICAL CHEM. 276(49):45686-45693 (2001)
	AOO	Rottman et al., "The costimulatory molecule ICOS plays an important role in the immunopathogenesis of EAE," NAT IMMUNOL. 2(7):605-11 (2001)
	APP	Sakamoto et al., "AILIM/ICOS: its expression and functional analysis with monoclonal antibodies," HYBRIDOMA AND HYBRIDOMICS, 20(5):293-303 (2001)
	AQQ	Schwartz, "Immunology. It takes more than two to tango," NATURE 409(6816):31-2 (2001)
	ARR	Sperling et al., "ICOS costimulation: It's not just for TH2 cells anymore," NAT IMMUNOL. 2(7):573-4 (2001)

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	ASS	Sperling, "ICOS costimulation: is it the key to selective immunotherapy?," CLIN IMMUNOL. 100(3):261-2 (2001)
	ATT	Sporici et al., "ICOS ligand costimulation is required for T-cell encephalitogenicity," CLIN IMMUNOL. 100(3):277-88 (2001)
	AUU	Sporici et al., "Costimulation of memory T-cells by ICOS: a potential therapeutic target for autoimmunity?" CLIN IMMUNOL. 100(3):263-9 (2001)
	AVV	Tamura et al., "B7-H1 costimulation preferentially enhances CD28-independent T-helper cell function," BLOOD 97(6):1809-16 (2001)
	AWW	Tesciuba et al., "Inducible costimulator regulates Th2-mediated inflammation, but not Th2 differentiation, in a model of allergic airway disease," J IMMUNOL. 167(4):1996-2003 (2001)
	AXX	Tomlinson et al., "The repertoire of human germline VH sequences reveals about fifty groups of VH segments with different hypervariable loops," J. Mol. Biol. 227(3):776-98 (1992)
	AYY	Wallin et al., "Enhancement of CD8+ T cell responses by ICOS/B7h costimulation," J IMMUNOL. 167(1):132-9 (2001)

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